

Final Agenda

Visit of Idaho National Laboratory (INL) to Lawrence Berkeley National Laboratory (LBNL) Meeting on Nuclear and Environmental Research Collaborations

Lawrence Berkeley National Laboratory January 26-27, 2006

Thursday, January 26: Building 50 A, Room 5132

- 8:00 a.m. Depart hotel and travel to Berkeley Lab
- 8:15 a.m. Continental breakfast available
- 8:30 a.m. Welcome/introductions
- 8:45 a.m. Berkeley Lab Overview (*Steve Chu*)
- 9:15 a.m. Idaho National Laboratory Overview (*John Grossenbacher*)
- 9:45 a.m. UC Berkeley- Nuclear Engineering Overview (*Jasmina Vujic*)
- 10:15 a.m. Discussion of expectations/approach for working groups
- 10:30 a.m. Break

11:00 a.m. – 3:00 p.m. Breakout Groups (box lunches at each site at noon)

Group A: Nuclear Energy and Nuclear Security (50A-5132)

- 11:00 a.m. - Advanced reactors and actinide research (*Peterson/Leahy*)
- 11:30 a.m. - Discussion
- 12:30 p.m. - Fissile materials detection, sensors, monitoring (*Luke/Bjornard*)
- 1:00 p.m. - Discussion
- 1:45 p.m. - Ion beam R&D, neutron sources, and active interrogation (*Leung/Leahy*)
- 2:15 p.m. - Discussion

Group B: Environment and Energy (50A-4133)

- 11:00 a.m. - Subsurface science and SECUREarth, geologic nuclear waste disposal (*Ahn/Bodvarsson/Connolly*)
- 11:45 p.m. - Energy issues: CO₂ sequestration, methane hydrates, and geothermal energy (*Hamilton/Pruess*)
- 12:15 p.m. - Microbial biology and biological detection/nonproliferation (*Hamilton/Hazen*)
- 12:45 p.m. - Prioritization of topics and action items (*INL/LBNL/UCB*)
- 1:00 p.m. - Discussion

Group C: Homeland Security (Non-Nuclear) (50B-4205)

- 11:00 a.m. - Cybersecurity (*Agarwal*) and discussion
- 11:45 a.m. - Indoor air quality (*Sextro*) and discussion
- 12:15 p.m. - Break to join with Group A

3:00 p.m. – Travel to tours and further discussions

Groups A and C Tours: Nuclear Energy and Nuclear Security

- 3:15 p.m. Detector and microsystems laboratories (*Luke*) (Bldg. 70A)
- 4:15 p.m. Travel
- 4:30 p.m. Ion and compact neutron source laboratories (*Leung*) (Bldg. 16)

Group B Tours: Environment and Non-Nuclear Energy

- 3:15 p.m. Geochemistry and environmental microbiology labs (*Bodvarsson*) (Bldg. 70A)
- 4:15 p.m. Travel
- 4:30 p.m. ALS and Environmental Sciences Beamline (*Smith, Bodvarsson*) (Bldg. 6)

5:15 p.m. – Both tours conclude

5:30 p.m. – Return to meeting room (50A-5132) and adjourn

- 6:00 p.m. Reception and working dinner (by invitation; location TBD)
- 7:30 p.m. Wrap up of Day 1 and charge for Day 2

Meeting on Nuclear and Environmental Research Collaboration, Day 2

Friday, January 27: Building 50A, Room 5132

8:30 a.m. Continental breakfast

8:45 a.m. - Individual meetings as desired

Directors meeting (*Chu, Grossenbacher, Fleming, Rogers*) (50A-4133)

Electric reliability (*Johnson, Bjornard, Eto, Pinar, Lesieutre*) (50-4049)

Computing (*Banda, Colella, on conference call with Miller, Meakin*) (50B-4241)

Other group meetings (to be arranged) (50A-5132)

9:45 a.m. Conclude individual meetings, break and return to 50A-5132 for Reports and Concluding Remarks

10:15 a.m. Report and discussion on Nuclear Energy (*Peterson/Leahy*)

10:45 a.m. Report and discussion on Environment (*Hamilton/Bodvarsson*)

11:00 a.m. Concluding remarks (*Chu, Grossenbacher, Vujic*)

11:45 p.m. Adjourn

Group Assignments

Group A: Nuclear Energy and Nuclear Security

Coordinators:

Steve Gourlay, Jasmina Vujic, Tim Leahy

Participants:

INL: *Tim Leahy*

LBNL: *Michael Banda, Rod Clark, Phillip Colella, Lutgard DeJonghe, Norman Edelstein, Paul Fallon, Rick Gough, Steve Gourlay, Ka-Ngo Leung, Tak Pui Lou, Paul Luke, Heino Nitsche, Kem Robinson*

UCB: *Jasmina Vujic, Ehud Greenspan, Per Peterson, Bozidar Stojadinovic, Brian Wirth, Andrew Whittaker*

Group B: Environment and Energy

Coordinators:

Bo Bodvarsson, Melinda Hamilton, Mike Connolly

Participants:

INL: *Melinda Hamilton, Mike Connolly, Jim Herzog*

LBNL: *Bo Bodvarsson, Mark Conrad, Terry Hazen, Ernie Majer, Esmond Ng, Karsten Pruess, Ken Raymond, David Shuh*

UCB: *Joonhong Ahn*

Group C: Homeland Security (Non-Nuclear)

Coordinators:

Rob Johnson, K.P. Ananth

Participants

INL: *K.P. Ananth, Trond Bjornard*

LBNL: *Rob Johnson, Deb Agarwal, Joe Eto, Richard Sextro, Bernard Lesieutre, Ali Pinar*